

AP

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the application of

Karl EXEL et al

Group Art Unit: 3744

Serial No: 10/045,011

Examiner:

Filed : January 15, 2002

For : MIRROR FOR LASER APPLICATIONS AND
METHOD FOR MANUFACTURE OF SAID MIRROR

INFORMATION DISCLOSURE STATEMENT

Commissioner of Patents and Trademarks
Washington, DC 20231

Sir:

The undersigned is hereby providing the references listed in the enclosed detailed Form 1449.

The following is a translation of the Abstract of the enclosed German patent:

"A cooled mirror, especially used for laser applications, is actuated upon by a cooling liquid, which flows through a plurality of parallel channels and acts upon the lower side of the reflector surface at a plurality of individual points. The speed of the cooling liquid is increased at the time of actuation to such an extent that it hits the back side of the reflector surface as a liquid jet. This surface is comparably thin and flexible and is supported by means of a plurality of supporting elements distant from each other supported by a rigid base body in such a manner that a thermally generated deformation of the reflector surface is substantially decreased or prevented."

Respectfully submitted,

by 
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Attorney's Docket: A-7740 IDS

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INFORMATION DISCLOSURE CITATION <i>(Use several sheets if necessary)</i>	Docket Number (Optional) A-7400	Application Number 10/045,011
	Applicant(s) Karl EXEL et al	
	Filing Date January 15, 2002	Group Art Unit 3744

U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		3,781,094	12/25/73	Griest			
		4,387,962	6/14/83	Gowan et al			
		4,403,828	9/13,83	Davis et al			
		4,443,059	4/17/84	Wells			
		4,770,521	9/13/88	Thompson et al			
		5,002,378	3/26/91	Colarusso et al			

FOREIGN PATENT DOCUMENTS							
REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO
	3339076	3.5.84	Germany				

		OTHER DOCUMENTS (Including Author, Title, Date, Page Number, etc.) <div style="position: relative; height: 100px;"> <div style="position: absolute; top: 0; left: 0; width: 100%; height: 100%; opacity: 0.5; pointer-events: none;"> RECEIVED OCT 22 2002 TECHNOLOGY CENTER R3700 </div> <div style="position: absolute; bottom: 0; right: 0; width: 100%; height: 100%; opacity: 0.5; pointer-events: none;"> RECEIVED JUL 24 2002 TECHNOLOGY CENTER R3700 </div> </div>
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EXAMINER	DATE CONSIDERED
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.